

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	494	451/451	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 11:15
L2	88	451/452	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 11:36
L3	98	451/454	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 11:40
L4	141	451/455	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 11:44
L5	91	451/457	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 11:51
L6	6	("20060052041"   "4924635"   "5766062"   "6893334"   "6949017"   "7063606").PN. OR ("7175513").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 11:57
L7	18	("4059930"   "4343115"   "4577526"   "4924635"   "5005321"   "5031325"   "5384985"   "5386667").PN. OR ("5637035").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 11:59
L8	2	wo-2004087377-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 12:29
L9	164	david with keller.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 13:41
L10	6	9 and grinder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 13:42

## EAST Search History

L11	0	("1andgroove").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/08 14:27
L12	149	1 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 14:47
L13	29	2 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 14:54
L14	43	3 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 14:58
L15	52	4 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 15:01
L16	32	5 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 15:01
L17	11	("4060940"   "4574532"   "5005321"   "5440815"   "5766062"   "6464573"   "6669544"   "6699114").PN. OR ("7063606").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 15:18
L18	20	("4574532").PN. OR ("5005321"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 15:20
L19	447	(451/358).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/08 15:48
L20	699	(451/359).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/08 15:48
L21	577	(83/478).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/08 15:48

## EAST Search History

L22	14	19 and guard and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 15:49
L23	22	20 and guard and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 15:50
L24	50	21 and guard and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/08 15:50